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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40  
minutes  
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source  
(CS) field  
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced  
NEWS 5 AUG 24 CA/CAPLUS enhanced with legal status information for  
U.S. patents  
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in  
CAS REGISTRY  
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM  
thesaurus  
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and  
Taiwanese Content Expanded  
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human  
translated claims for Chinese Applications and  
Utility Models  
NEWS 10 OCT 27 Free display of legal status information in CA/CAPLUS,  
USPATFULL, and USPAT2 in the month of November.

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:27:53 ON 28 OCT 2009

=> SET L HISTORY ON PERM

L HISTORY ON IS NOT A VALID SET OPTION

For an explanation of the SET command, enter HELP SET at an arrow  
prompt (=>).

=> SET L HISTORY ON PERM

SET COMMAND COMPLETED

=> FILE CA PLUS

'PLUS' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):IGNORE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.42	2.42

FILE 'CA' ENTERED AT 10:34:07 ON 28 OCT 2009

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FILE COVERS 1907 - 22 Oct 2009 VOL 151 ISS 18

FILE LAST UPDATED: 22 Oct 2009 (20091022/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CA now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	2.90

FILE 'CAPLUS' ENTERED AT 10:34:14 ON 28 OCT 2009

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FILE COVERS 1907 - 28 Oct 2009 VOL 151 ISS 18  
FILE LAST UPDATED: 27 Oct 2009 (20091027/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> FILE REGISTRY		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.00	3.90

FILE 'REGISTRY' ENTERED AT 10:35:40 ON 28 OCT 2009  
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STRUCTURE FILE UPDATES: 26 OCT 2009 HIGHEST RN 1190194-41-2  
DICTIONARY FILE UPDATES: 26 OCT 2009 HIGHEST RN 1190194-41-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> carbene  
CARBENE IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s carbene  
301 CARBENE  
1 CARBENES  
L1 301 CARBENE  
(CARBENE OR CARBENES)

=> polysiloxane or polyorganosiloxane or organopolysiloxane or organosiloxane or organosilicone or siloxane or silicone

POLYSILOXANE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s polysiloxane or polyorganosiloxane or organopolysiloxane or organosiloxane or  
organosilicone or siloxane or silicone

726 POLYSILOXANE

643 POLYSILOXANES

726 POLYSILOXANE

(POLYSILOXANE OR POLYSILOXANES)

1 POLYORGANOSILOXANE

0 ORGANOPOLYSILOXANE

1 ORGANOSILOXANE

1 ORGANOSILOXANES

1 ORGANOSILOXANE

(ORGANOSILOXANE OR ORGANOSILOXANES)

0 ORGANOSILICONE

35742 SILOXANE

2426 SILOXANES

35742 SILOXANE

(SILOXANE OR SILOXANES)

294 SILICONE

2116 SILICONES

2344 SILICONE

(SILICONE OR SILICONES)

L2 35915 POLYSILOXANE OR POLYORGANOSILOXANE OR ORGANOPOLYSILOXANE OR ORGA  
NOSILOXANE OR ORGANOSILICONE OR SILOXANE OR SILICONE

=> s L1 and L2

L3 0 L1 AND L2

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

44.24

48.14

FILE 'CAPLUS' ENTERED AT 10:37:22 ON 28 OCT 2009

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FILE COVERS 1907 - 28 Oct 2009 VOL 151 ISS 18

FILE LAST UPDATED: 27 Oct 2009 (20091027/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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=> FILE REG	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	4.00	52.14

FILE 'REGISTRY' ENTERED AT 10:42:05 ON 28 OCT 2009  
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STRUCTURE FILE UPDATES: 26 OCT 2009 HIGHEST RN 1190194-41-2  
DICTIONARY FILE UPDATES: 26 OCT 2009 HIGHEST RN 1190194-41-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> E carbene

E1	2	CARBENDAZOLE/BI
E2	1	CARBENDOR/BI
E3	301 -->	CARBENE/BI
E4	2	CARBENECHROMIUM/BI
E5	1	CARBENENEODYMIUM/BI
E6	1	CARBENES/BI
E7	42	CARBENI/BI
E8	42	CARBENICILLIN/BI
E9	7	CARBENICILLINASE/BI
E10	1	CARBENICILLINE/BI
E11	1	CARBENIL/BI
E12	1	CARBENIN/BI

=> S E3 AND E6 AND E4

	301	CARBENE/BI
	1	CARBENES/BI
	2	CARBENECHROMIUM/BI
L4	0	CARBENE/BI AND CARBENES/BI AND CARBENECHROMIUM/BI

=> S E3

L5	301	CARBENE/BI
----	-----	------------

=> E Polysiloxane

E1	1	POLYSILOLE/BI
E2	1	POLYSILOX/BI

```

E3      726 --> POLYSILOXANE/BI
E4      643      POLYSILOXANES/BI
E5      1        POLYSILOXAZA/BI
E6      1        POLYSILOXAZANES/BI
E7      1        POLYSILPHENYLENE/BI
E8      1        POLYSILPHENYLENES/BI
E9      1        POLYSILYL/BI
E10     1        POLYSILYLENE/BI
E11     4        POLYSIN/BI
E12     1        POLYSION/BI

```

=> S E3

```
L6      726 POLYSILOXANE/BI
```

=> S E4

```
L7      643 POLYSILOXANES/BI
```

=> S L5 and L6

```
L8      0 L5 AND L6
```

=> S L5 and L7

```
L9      0 L5 AND L7
```

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	34.98	87.12

FILE 'CAPLUS' ENTERED AT 10:45:34 ON 28 OCT 2009  
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FILE COVERS 1907 - 28 Oct 2009 VOL 151 ISS 18  
 FILE LAST UPDATED: 27 Oct 2009 (20091027/ED)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D L5 1-5

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

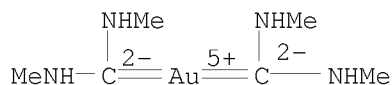
L5 ANSWER 1 OF 301 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 1019651-48-9 REGISTRY  
 ED Entered STN: 06 May 2008  
 CN Gold(1+), bis[bis(methylamino)methylene]-,  
 (OC-6-11)-hexafluoroantimonate(1-) (1:1) (CA INDEX NAME)

OTHER NAMES:

CN Bis[bis(methylamino)carbene]gold(1+) hexafluoroantimonate(1-)  
 MF C6 H16 Au N4 . F6 Sb  
 SR CA  
 LC STN Files: CA, CAPLUS

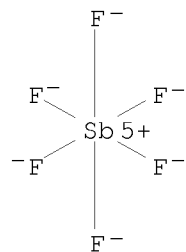
CM 1

CRN 51213-40-2  
 CMF C6 H16 Au N4  
 CCI CCS



CM 2

CRN 17111-95-4  
 CMF F6 Sb  
 CCI CCS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 301 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 1019651-46-7 REGISTRY  
 ED Entered STN: 06 May 2008  
 CN Gold(1+), bis[bis(methylamino)methylene]-, hexafluoroarsenate(1-), compd.  
 with 2-propanone (2:2:1) (CA INDEX NAME)

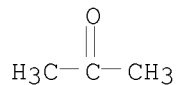
OTHER NAMES:

CN Bis[bis(methylamino)carbene]gold(1+) hexafluoroarsenate(1-)  
 hemiacetate  
 MF C6 H16 Au N4 . 1/2 C3 H6 O . As F6  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

CRN 67-64-1

CMF C3 H6 O



CM 2

CRN 1019651-44-5

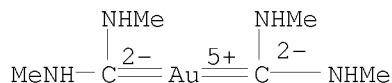
CMF C6 H16 Au N4 . As F6

CM 3

CRN 51213-40-2

CMF C6 H16 Au N4

CCI CCS

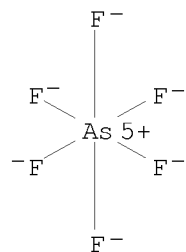


CM 4

CRN 16973-45-8

CMF As F6

CCI CCS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 301 REGISTRY COPYRIGHT 2009 ACS on STN

RN 1019651-44-5 REGISTRY

ED Entered STN: 06 May 2008

CN Gold(1+), bis[bis(methylamino)methylene]-, hexafluoroarsenate(1-) (1:1)  
(CA INDEX NAME)

OTHER NAMES:

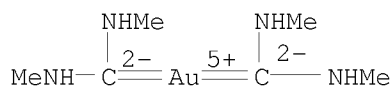
CN Bis[bis(methylamino)carbene]gold(1+) hexafluoroarsenate(1-)



MF C6 H16 Au N4 . As F6  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS

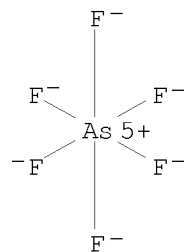
CM 1

CRN 51213-40-2  
 CMF C6 H16 Au N4  
 CCI CCS



CM 2

CRN 16973-45-8  
 CMF As F6  
 CCI CCS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 4 OF 301 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 935531-11-6 REGISTRY  
 ED Entered STN: 22 May 2007  
 CN Nickel, [[(1,1-dimethylpropyl)amino][(phenylmethyl)amino]methylene]tris[2-(isocyano-κC)-2-methylbutane]-, perchlorate (1:2) (CA INDEX NAME)

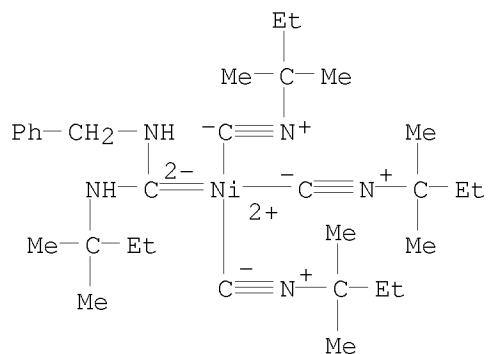
OTHER NAMES:

CN Tri(tert-pentyl isocyanide)[benzylamino(tert-pentylamino)carbene]nickel(II) perchlorate

MF C31 H53 N5 Ni . 2 Cl H O4  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

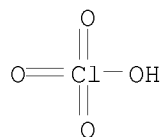
CRN 935531-10-5  
 CMF C31 H53 N5 Ni  
 CCI CCS



CM 2

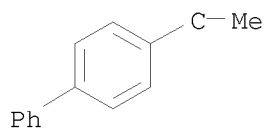
CRN 7601-90-3

CMF C1 H O4



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 5 OF 301 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 933468-00-9 REGISTRY  
ED Entered STN: 29 Apr 2007  
CN Ethylidene, 1-[1,1'-biphenyl]-4-yl- (CA INDEX NAME)  
OTHER NAMES:  
CN p-Biphenylylmethylcarbene  
MF C14 H12  
SR CA  
LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> D L6 1-3  
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L6 ANSWER 1 OF 726 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1187937-52-5 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

ED Entered STN: 13 Oct 2009  
CN Polysiloxanes, Me Ph vinyl hydrogen (CA INDEX NAME)

OTHER NAMES:

CN KS 774  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L6 ANSWER 2 OF 726 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1094988-90-5 REGISTRY  
ED Entered STN: 22 Jan 2009  
CN Synthase, polysiloxane (Crateromorpha meyeri gene silcacr  
fragment) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CAP49202  
CN GenBank CAP49202 (Translated from: GenBank AM920776)  
CN Silicatein (Crateromorpha meyeri gene silcacr fragment)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 726 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 1094825-40-7 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may  
result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

ED Entered STN: 21 Jan 2009  
CN Polysiloxanes, di-Me, Ph silsesquioxane-, hydroxy-terminated  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Siloxanes and Silicones, di-Me, Ph silsesquioxane-, hydroxy-terminated  
CN Silsesquioxanes, Ph, di-Me polysiloxane-, hydroxy-terminated  
CN Silsesquioxanes, Ph, di-Me siloxane-, hydroxy-terminated

OTHER NAMES:

CN Di-Me siloxane-Ph silsesquioxanes, hydroxy-terminated  
CN Hydroxy-terminated di-Me siloxane-Ph silsesquioxanes  
CN Siloxanes, di-Me, Ph silsesquioxane-, hydroxy-terminated  
CN SR 355  
CN SR 355 (siloxane)  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

=> D L7 1-3

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L7 ANSWER 1 OF 643 REGISTRY COPYRIGHT 2009 ACS on STN

RN 1187937-52-5 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

ED Entered STN: 13 Oct 2009

CN Polysiloxanes, Me Ph vinyl hydrogen (CA INDEX NAME)

OTHER NAMES:

CN KS 774

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L7 ANSWER 2 OF 643 REGISTRY COPYRIGHT 2009 ACS on STN

RN 1094825-40-7 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

ED Entered STN: 21 Jan 2009

CN Polysiloxanes, di-Me, Ph silsesquioxane-, hydroxy-terminated  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Siloxanes and Silicones, di-Me, Ph silsesquioxane-, hydroxy-terminated

CN Silsesquioxanes, Ph, di-Me polysiloxane-, hydroxy-terminated

CN Silsesquioxanes, Ph, di-Me siloxane-, hydroxy-terminated

OTHER NAMES:

CN Di-Me siloxane-Ph silsesquioxanes, hydroxy-terminated

CN Hydroxy-terminated di-Me siloxane-Ph silsesquioxanes

CN Siloxanes, di-Me, Ph silsesquioxane-, hydroxy-terminated

CN SR 355

CN SR 355 (siloxane)

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L7 ANSWER 3 OF 643 REGISTRY COPYRIGHT 2009 ACS on STN

RN 1094823-82-1 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

ED Entered STN: 21 Jan 2009

CN Polysiloxanes, di-Me, Me silsesquioxane- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Siloxanes and Silicones, di-Me, Me silsesquioxane-

CN Silsesquioxanes, Me, di-Me polysiloxane-

CN Silsesquioxanes, Me, di-Me siloxane-

OTHER NAMES:

CN Me silsesquioxane-di-Me siloxanes

CN TPR 179

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

=> S L5 AND L6

10701 L5  
27659 L6  
L10 7 L5 AND L6

=> S L5 and L7  
10701 L5  
19435 L7

L11 6 L5 AND L7

=> S L10 OR L11  
L12 7 L10 OR L11

=> D L12 IBIB ABS

L12 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:475294 CAPLUS

DOCUMENT NUMBER: 148:450667

TITLE: Method for processing an article containing a plastic material coated with a silicone material for recycling

INVENTOR(S): Mignani, Gerard; Mansouri, Samir; Arthaud, Samuel

PATENT ASSIGNEE(S): Rhodia Operations, Fr.

SOURCE: PCT Int. Appl., 24pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008043764	A1	20080417	WO 2007-EP60723	20071009
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

FR 2907124 A1 20080418 FR 2006-8974 20061013

FR 2907124 B1 20081205

PRIORITY APPLN. INFO.: FR 2006-8974 A 20061013

OTHER SOURCE(S): MARPAT 148:450667

AB Silicone coatings are removed from plastic materials by treatment with anhydrous solns. containing free carbenes or compds. generating carbenes in situ,

so that the plastic materials are recycled.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D L12 IBIB ABS 2-7

L12 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:806110 CAPLUS

DOCUMENT NUMBER: 147:344621

TITLE: Calculation of specific volume of molten polymers by using atomic group contribution method

AUTHOR(S): Tamura, Keiji  
CORPORATE SOURCE: Technol. Div., Prod. Technol. Res. Lab., Idemitsu  
Kosan Co., Ltd., Japan  
SOURCE: Idemitsu Giho (2007), 50(2), 206-213  
CODEN: IDGHEU; ISSN: 0915-5732  
PUBLISHER: Idemitsu Kosan K.K.  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

AB The title volume was estimated with the eq. submitted by Arai and Iwata (IA eq.)  
in which parameters  $P^*$ ,  $v^*$ ,  $T^*$  were calculated by adding up the specific value for each atomic group in the polymerization The specific values for 34 atomic groups were determined by the method of Gani et al. It was found that the average error is 0.0172 cm<sup>3</sup>g<sup>-1</sup>, so the method has enough practical value in engineering.

L12 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1311425 CAPLUS  
DOCUMENT NUMBER: 144:40848  
TITLE: Preparation of molecularly imprinted polymers  
compounds having an affinity for binding phosphate for  
therapeutic use  
INVENTOR(S): Ross, Edward Allan; Batich, Christopher D.  
PATENT ASSIGNEE(S): University of Florida Research Foundation, Inc., USA  
SOURCE: U.S. Pat. Appl. Publ., 14 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20050276781	A1	20051215	US 2005-148929	20050609

PRIORITY APPLN. INFO.: US 2004-578693P P 20040609

AB Methods for synthesizing molecularly imprinted polymers (MIP) having an affinity for dietary phosphates, resulting polymers, pharmaceutical compns. and modes of administration are disclosed. The MIP compds. are useful for binding excess dietary phosphates in a patient in need thereof. Thus, MIP compound was prepared containing a polar, active monomer [2-(methacryloyloxy)ethyl]trimethylammonium chloride and two less polar, relatively inactive monomers hydroxyethyl methacrylate and Me methacrylate. Phosphate uptake by the MIP compound was evaluated by atomic absorption using a sodium chloride and carbonate solution of 20mM potassium dihydrogen phosphate at pH 7.

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L12 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:42999 CAPLUS  
DOCUMENT NUMBER: 138:68344  
TITLE: Lignin-based microparticles for controlled release of agrochemicals  
INVENTOR(S): Asrar, Jawed; Ding, Yiwei  
PATENT ASSIGNEE(S): Monsanto Technology LLC, USA  
SOURCE: U.S. Pat. Appl. Publ., 26 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20030013612	A1	20030116	US 2002-191703	20020709
CA 2452509	A1	20030123	CA 2002-2452509	20020710
WO 2003005816	A1	20030123	WO 2002-US21722	20020710
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002318286	A1	20030129	AU 2002-318286	20020710
AU 2002318286	B2	20070802		
EP 1404176	A1	20040407	EP 2002-748113	20020710
EP 1404176	B1	20060222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002010948	A	20040608	BR 2002-10948	20020710
AT 318078	T	20060315	AT 2002-748113	20020710
ES 2259092	T3	20060916	ES 2002-748113	20020710
MX 2004000236	A	20040504	MX 2004-236	20040109
US 20080234129	A1	20080925	US 2008-80430	20080402
PRIORITY APPLN. INFO.:				
			US 2001-304554P	P 20010711
			US 2002-191703	A1 20020709
			WO 2002-US21722	W 20020710

AB A method of producing lignin-based matrix microparticles for the controlled release of an agricultural active includes forming an emulsion of an organic solution in an aqueous solution, wherein the organic solution contains a lignin derivative and an agricultural active in a volatile organic solvent and the aqueous solution contains an emulsifier; and removing the organic solvent, thereby producing microparticles having a matrix comprising the lignin derivative within which the agricultural active is distributed. Small, spherical lignin-based matrix microparticles that release an agricultural active at a controlled rate are described, as are plants and plant propagation materials that are treated with such microparticles.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L12 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:408491 CAPLUS

DOCUMENT NUMBER: 136:406603

TITLE: A transfer resistant anhydrous cosmetic composition

INVENTOR(S): Morrison, Sam B.

PATENT ASSIGNEE(S): L'Oreal S.A., Fr.

SOURCE: PCT Int. Appl., 19 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002041854	A2	20020530	WO 2001-US43212	20011120
WO 2002041854	A3	20030501		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
 UG, US, UZ, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,  
 GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,  
 GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 6964773 B1 20051115 US 2000-717204 20001122  
 AU 2002039265 A 20020603 AU 2002-39265 20011120  
 PRIORITY APPLN. INFO.: US 2000-717204 A 20001122  
 WO 2001-US43212 W 20011120

AB The invention also provides for a cosmetic powder delivery system and a method of delivering a powder composition to a keratinous substance. A composition

with transfer resistance and/or waterproof properties comprising at least one linear dimethicone, and at least one block copolymer film former chosen from triblock copolymer film formers, multi-block copolymer film formers and radial block copolymer film formers. Thus, cream-based makeup composition contained jojoba esters 8, polyethylene 2, Dow Corning-200 44.5, TiO<sub>2</sub> 9.2, PTFE 3.5, mica 1.9, lauroyllysine 0.1, aluminum starch octenyl succinate 2.0, isopropyltitanium triisostearate 0.2, iron oxides 2.5, methylparaben 0.1, cyclomethicone 9.6, trimethylsiloxysilicate 8.4, dimethiconol 0.5, Versagel M5960 2.0, preservatives 0.3, lauryl PCA 0.1, acrylate copolymer 0.9, and isobutane 0.1%.

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:570823 CAPLUS

DOCUMENT NUMBER: 133:288246

TITLE: The Nature of the Continuum in Multibubble Sonoluminescence

AUTHOR(S): McNamara, William B., III; Didenko, Yuri T.; Suslick, Kenneth S.

CORPORATE SOURCE: Department of Chemistry, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA

SOURCE: Journal of the American Chemical Society (2000), 122(35), 8563-8564

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Irradiation of liqs. with high-intensity ultrasound creates clouds of cavitating bubbles. In such a cavitation field, the bubbles form and expand during the rarefaction phase of the sound wave, and then implasively collapse during the compression phase (H. G. Flynn, 1964; R. T. Knapp, et al., 1970). During collapse, compressional heating of the contents of the bubble produces transient extreme conditions (e.g., 5000 K and 400 atm in silicone oil saturated with Ar) (E. B. Flint, 1991; WITH. B. McNamara, et al., 1999). These conditions are responsible for both sonochem. and the emission of light: multibubble sonoluminescence (MBSL) (K. S. Suslick, 1997). The spectrum of MBSL depends on the contents of the bubble; typically it will consist of diat. and atomic emission features as well as an underlying continuum (K. J. Taylor and P. D. Jarman, 1970; C. Sehgal, 1979; Y. T. Didenko, S. P. Pugach, 1994). The discrete mol. bands and atomic lines are well understood, but the nature of the continuum in MBSL is uncertain. The SL continuum was variously ascribed to emission



from confined electrons (L. S. Bernstein, et al., 1996), blackbody radiation (L. V. Holroyd, 1955), elec. discharge (M. A. Margulis, 1992; T. Lepoint and F. Mullie, 1994), and emission from small mols. formed during the cavitation event (K. J. Taylor and P. D. Jarman, 1970; C. Sehgal, 1979; Y. T. Didenko, S. P. Pugach, 1994). Understanding the source of this continuum is critical to understanding both the final conditions within the bubble and the processes that lead to (and perhaps limit) these conditions. The authors report here the relative intensity of the atomic features vs. the continuum emission as the conditions within the bubble are varied. The observed behavior is consistent with a mol. continuum and cannot be explained as a plasma emission. Also, results indicate that chemical reactions within the bubbles play a major role in determining the effective temperature during cavitation. The authors collected MBSL from solns. of Cr(CO)<sub>6</sub> in silicone oil saturated with mixts. of hydrocarbons in argon and in octanol saturated with various noble gases. The authors compare the observed intensities of the Cr atom emission with background continuum in the MBSL spectra as a function of the measured emission temperature from ultrasonic irradiation of Cr(CO)<sub>6</sub> in either silicone oil or octanol. The ionization energy for Cr is substantially lower than that of any other species in the bubble, so one may assume that any contribution to the continuum from a plasma arises primarily from the ionization of Cr. One concludes that the observed I<sub>cont</sub>/I<sub>atom</sub> is orders of magnitude greater than that expected from a plasma; thus, the continuum is not due to hot plasma emission. Chemical reactions within collapsing bubbles are a major factor in determining and limiting the conditions reached during cavitation. Support for this is seen in the remarkable insensitivity of the temperature of MBSL to the thermal conductivity of the dissolved gas. The authors have previously reported that cavitation temps. as determined by metal atom MBSL from alc. solns. of metal carbonyls range from 5100 K under Xe to 3800 K under He (Y. T. Didenko, et al., 1000), a much smaller range than is predicted by theory (R. Hickling, 1963). Recent expts. on silicone oil solns. reveal similar behavior. In both cases, while the observed emission temperature is not dramatically different under He than under Xe, the intensity of MBSL does increase almost 2 orders of magnitude. These results are consistent with the expected effects of sonolysis: more of the energy of compression is consumed by bond disocns. under Xe than under He, thus giving greater MBSL intensity while diminishing the expected rise of temperature inside the bubble, as shown schematically. Such reactions convert larger mols. (e.g., octanol, poly(dimethylsiloxane)) into many small gas mols. (e.g., H<sub>2</sub>, CH<sub>4</sub>, C<sub>2</sub>H<sub>2</sub>, C<sub>2</sub>H<sub>4</sub>, CO<sub>2</sub>, as previously shown for alkanes - K. S. Suslick, et al., 1983), increasing the pressure within the bubble and hindering further compression and heating. The authors believe these effects combine to limit heating of the interior of the bubbles in MBSL: chemical limits the final cavitation temperature in bubble fields.

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:124864 CAPLUS

DOCUMENT NUMBER: 126:203715

ORIGINAL REFERENCE NO.: 126:39303a,39306a

TITLE: Genital lubricants containing zinc as an anti-viral agent

INVENTOR(S): Kelly, Patrick D.

PATENT ASSIGNEE(S): USA

SOURCE: U.S., 15 pp., Cont.-in-part of U.S. Ser. No. 56,480, abandoned.

CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5599551	A	19970204	US 1994-361967	19941222
US 5208031	A	19930504	US 1991-737169	19910729
PRIORITY APPLN. INFO.:			US 1989-362058	B2 19890606
			US 1990-528495	B2 19900525
			US 1991-737169	A2 19910729
			US 1993-56480	B2 19930503
			EP 1990-306054	A 19900604

AB An aqueous gel containing a selected zinc salt contained within a deformable plastic-walled tubular container, for convenient and consistent use as a topical genital lubricant during acts of sexual intercourse. The zinc salt must be organic, water-soluble, and have substantial dissociation rates to release divalent zinc ions. Suitable zinc salts include zinc acetate (I), zinc propionate, zinc butyrate, zinc formate, zinc gluconate, zinc glycerate, zinc glycolate, and zinc lactate. The gel must also contain a thickening agent (such as chemical treated cellulose) and a lubricating agent (such as glycerin), and it must be free of heparin, dextran sulfate, or any other anti-coagulant or other component which poses a substantial risk of adverse effects if the lubricant is used frequently and repeatedly over a period of months or years. The zinc-containing lubricants described herein can reduce the risk that a previously uninfected person will become infected by genital herpes viruses, and possibly by HIV, hepatitis, or papilloma viruses or other sexually transmitted pathogens, during or after intercourse with an infected partner. Thus, 0.5 g of I was dissolved in a few drops of distilled water, then 10 mL K-Y lubricating jelly was added to form a gel mixture containing about 5% I. When the gel was applied on male and female genitals it caused no tingling, burning, or other unpleasant sensation. I also suppressed and retarded HIV infectivity in vitro.

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)  
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D HIS

(FILE 'HOME' ENTERED AT 10:27:53 ON 28 OCT 2009)  
 SET LHHISTORY ON PERM

FILE 'CA' ENTERED AT 10:34:07 ON 28 OCT 2009

FILE 'CAPLUS' ENTERED AT 10:34:14 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:35:40 ON 28 OCT 2009

L1 301 S CARBENE  
 L2 35915 S POLYSILOXANE OR POLYORGANOSILOXANE OR ORGANOPOLYSILOXANE OR O  
 L3 0 S L1 AND L2

FILE 'CAPLUS' ENTERED AT 10:37:22 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:42:05 ON 28 OCT 2009

E CARBENE  
 L4 0 S E3 AND E6 AND E4  
 L5 301 S E3  
 E POLYSILOXANE

L6 726 S E3  
L7 643 S E4  
L8 0 S L5 AND L6  
L9 0 S L5 AND L7

FILE 'CAPLUS' ENTERED AT 10:45:34 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:47:05 ON 28 OCT 2009

FILE 'CAPLUS' ENTERED AT 10:47:08 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:47:27 ON 28 OCT 2009

FILE 'CAPLUS' ENTERED AT 10:47:28 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:47:44 ON 28 OCT 2009

FILE 'CAPLUS' ENTERED AT 10:47:45 ON 28 OCT 2009

L10 7 S L5 AND L6  
L11 6 S L5 AND L7  
L12 7 S L10 OR L11

=> LOGOFF HOLD

(FILE 'HOME' ENTERED AT 10:27:53 ON 28 OCT 2009)  
SET LHHISTORY ON PERM

FILE 'CA' ENTERED AT 10:34:07 ON 28 OCT 2009

FILE 'CAPLUS' ENTERED AT 10:34:14 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:35:40 ON 28 OCT 2009

L1 301 SEA SPE=ON ABB=ON PLU=ON CARBENE  
L2 35915 SEA SPE=ON ABB=ON PLU=ON POLYSILOXANE OR POLYORGANOSILOXANE  
OR ORGANOPOLYSILOXANE OR ORGANOSILOXANE OR ORGANOSILICONE OR  
SILOXANE OR SILICONE  
L3 0 SEA SPE=ON ABB=ON PLU=ON L1 AND L2

FILE 'CAPLUS' ENTERED AT 10:37:22 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:42:05 ON 28 OCT 2009  
E CARBENE

L4 0 SEA SPE=ON ABB=ON PLU=ON CARBENE/BI AND CARBENES/BI AND  
CARBENECHROMIUM/BI  
L5 301 SEA SPE=ON ABB=ON PLU=ON CARBENE/BI  
E POLYSILOXANE  
L6 726 SEA SPE=ON ABB=ON PLU=ON POLYSILOXANE/BI  
L7 643 SEA SPE=ON ABB=ON PLU=ON POLYSILOXANES/BI  
L8 0 SEA SPE=ON ABB=ON PLU=ON L5 AND L6  
L9 0 SEA SPE=ON ABB=ON PLU=ON L5 AND L7

FILE 'CAPLUS' ENTERED AT 10:45:34 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:47:05 ON 28 OCT 2009  
D L5 1-5

FILE 'CAPLUS' ENTERED AT 10:47:08 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:47:27 ON 28 OCT 2009  
D L6 1-3

FILE 'CAPLUS' ENTERED AT 10:47:28 ON 28 OCT 2009

FILE 'REGISTRY' ENTERED AT 10:47:44 ON 28 OCT 2009  
D L7 1-3

FILE 'CAPLUS' ENTERED AT 10:47:45 ON 28 OCT 2009

L10 7 SEA SPE=ON ABB=ON PLU=ON L5 AND L6  
L11 6 SEA SPE=ON ABB=ON PLU=ON L5 AND L7  
L12 7 SEA SPE=ON ABB=ON PLU=ON L10 OR L11  
D L12 IBIB ABS  
D L12 IBIB ABS 2-7

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	34.00	147.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-5.74	-5.74

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 11:03:34 ON 28 OCT 2009